Hakowski, Denise

From: Smith, Chris B <Chris.B.Smith@wv.gov>
Sent: Thursday, March 03, 2016 2:46 PM
To: Hakowski, Denise
Cc: Cooper, Laura K
Subject: RE: Kanawha River Data

Follow Up Flag: Follow up
Flag Status: Flagged

Denise,

If I understand correctly, Outlet 001 is the effluent itself. Also it appears that the temperatures shown in the table below are the temperatures at which the samples were received by the laboratory not the temperatures at the sites. I do not see any field temperatures provided on the COCs. DOC is shown In the list of additional parameters you requested below. The results for the organic carbon samples that were filtered are actually DOC (even though the reports list them as TOC). DOC is analyzed the same way as TOC the only difference being that the samples are filtered. It does not appear that we have data for the other parameters you requested in the actual area of the CSB discharge however we may have upstream and downstream data for these parameters (although we are not sure about potassium). John Wirts is looking into this and will let us know when he figures it out.

Thank you

Christopher Smith
Environmental Resources Analyst
West Virginia Department of Environmental Protection
Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304
Chris.B.Smith@wv.gov
(304) 926-0499 ext. 1341

From: Hakowski, Denise [mailto:Hakowski.Denise@epa.gov]
Sent: Thursday, March 03, 2016 11:45 AM
To: Cooper, Laura K <Laura.K.Cooper@wv.gov>
Cc: Smith, Chris B <Chris.B.Smith@wv.gov>
Subject: Kanawha River Data

Hi Laura,

First, many thanks to you and Chris for helping me understand the CSB analytical reports. Much appreciated!

Next, EPA is wondering if there is any additional data (outside of what was provided with the WER submittal) available for the Kanawha River in the area of the CSB discharge for the following parameters:

Temp, pH, DOC, alkalinity, calcium, magnesium, sodium, potassium, sulfate, chloride.

Also, the following is the data I provided to EPA HQ from the CSB submittal. Can you confirm that I got the right information? And, do you know if Outfall 001 is instream at the outfall, or the effluent (there were analytical reports that indicated "effluent", so I assumed the former).

	pH	Temp (°C)	Organic Carbon (mg/l)
WER #1 Outlet #001	6.76 (lab measured)	1.6	9.98
WER #1 Upstream	7.25 (field measured)	1.6	1.68
WER #2 Outlet #001	6.4 (lab measured)	2.0	8.28
WER #2 Upstream	7.04 (field measured)	2.0	1.68

Alkalinity WER #1
Outlet 001 – 175 mg/l
Upstream 001 – 50.4 mg/l

Alkalinity WER #2
Outlet 001 – 110 mg/l
Upstream 001 – 43.5 mg/l

Thanks!

Denise